Application No.: 10/019,068

Docket No.: PVZ-007US

AMENDMENTS TO THE CLAIMS

1-12. (Cancelled)

- 13. (Previously presented) A tyre balancing composition, which comprises a visco-plastic gel and solid bodies having an average smallest dimension in the range of 0.5-5 mm.
- 14. (Previously presented) A tyre balancing composition according to claim 13, wherein the solid bodies have an average ratio between their smallest and their largest dimension of $\alpha \le 2$.
- 15. (Previously presented) A tyre balancing composition according to claim 14, wherein $\alpha \le 1.5$.
- 16. (Previously presented) A tyre balancing composition according to claim 15, wherein α is around 1.
- 17. (Currently amended) A tyre balancing composition according to claim 13 or 14, wherein the average smallest dimension of the solid bodies is in the range of 1-4 mm.
- 18. (Previously presented) A tyre balancing composition according to claim 17, wherein the average smallest dimension of the solid bodies is around 3 mm.
- 19. (Currently amended) A tyre balancing composition according to claim 13, wherein the visco-plastic gel has a storage modulus (G') between 1000 Pa and 25000 Pa at 22°C, a loss modulus (G") smaller than the storage modulus, and a critical yield stress above 3 Pa at 22°C.
- 20. (Previously presented) A tyre balancing composition according to claim 19, wherein the storage modulus (G') is around 9000 Pa at 22°C, and the critical yield stress is around 30 Pa at 22°C.

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21. (Previously presented) A tyre balancing composition according to claim 13 wherein the solid bodies are shaped as prolate or oblate ellipsoids, cylinders, rectangular parallelpipeds, or spheres, or mixtures of such bodies.

- 22. (Previously presented) A tyre balancing composition according to claim 13 wherein the apparent specific gravity of the solid bodies is in the range of 500-3000 kg/m³.
- 23. (Previously presented) A tyre balancing composition according to claim 22 wherein the apparent specific gravity of the solid bodies is in the range of 600-2000 kg/m³.
- 24. (Previously presented) A tyre balancing composition according to claim 23 wherein the apparent specific gravity of the solid bodies is in the range of 700-1000 kg/m³.
- 25. (Previously presented) A tyre balancing composition according to claim 24 wherein the apparent specific gravity of the solid bodies is in the range of 800-900 kg/m³.
- 26. (Previously presented) A tyre balancing composition according to claim 13 wherein the solid bodies are made from a material selected from the group consisting of polyolefins, polystyrene, polyvinyl chloride, polyamide, rubber and glass.
- 27. (Previously presented) A tyre balancing composition according to claim 13 wherein the weight ratio between the solid bodies and the gel is from 10:1 to 1:10.
- 28. (Previously presented) A tyre balancing composition according to claim 27 wherein the weight ratio between the solid bodies and the gel is from 5:1 to 1:5.
- 29. (Currently Amended) A tyre balancing composition according to claim 28 wherein the weight ratio between the solid bodies and the gel is from 2:1 to [3:1] 1:3.
- 30. (Previously presented) A tyre balancing composition according to claim 29 wherein the weight ratio between the solid bodies and the gel is from 1:1 to 1:2.

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- 31. (Previously presented) A tyre balancing composition kit comprising
 - i) a first container containing a visco-plastic gel, and
 - ii) a second container containing solid bodies having their average smallest dimension in the range of 0.5-5 mm.
- 32. (Previously presented) A tyre balancing composition kit according to claim 31 wherein the visco-plastic gel has a storage modulus (G') between 1000 Pa and 25000 Pa at 22°C, a loss modulus (G") smaller than the storage modulus, and a critical yield stress above 3 Pa at 22°C.
- 33. (Previously presented) A tyre balancing composition kit according to claim 32 wherein the visco-plastic gel has a storage modulus (G') around 9000 Pa at 22°C, and a critical yield stress around 30 Pa at 22°C.
- 34. (Previously presented) A tyre balancing composition kit according to claim 31 wherein the solid bodies are as defined in any of claims 14-16, 18 or 21-26.
- 35. (Previously presented) A tyre balancing composition kit according to claim 31 wherein the weight ratio between the amount of visco-plastic gel in the first container and the amount of solid bodies in the second container is from 10:1 to 1:10.
- 36. (Previously presented) A tyre balancing composition kit according to claim 35 wherein the weight ratio between the amount of visco-plastic gel in the first container and the amount of solid bodies in the second container is from 5:1 to 1:5.
- 37. (Currently amended) A tyre balancing composition kit according to claim 36 wherein the weight ratio between the amount of visco-plastic gel in the first container and the amount of solid bodies in the second container is from 2:1 to [3:1] 1:3.
- 38. (Previously presented) A tyre balancing composition kit according to claim 37 wherein the weight ratio between the amount of visco-plastic gel in the first container and the amount of solid bodies in the second container is from 1:1 to 1:2.

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- 39. (Previously presented) A tyre balancing composition according to claim 13 contained within the air cavity of a motor vehicle tyre.
- 40. (Previously presented) A method for balancing a motor vehicle wheel assembly comprising applying to the inner surface of the tyre i) a tyre balancing composition according to claim 13, or ii) the components of a kit according to claim 31, mounting the tyre on a tyre rim to form a wheel assembly, and

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mounting the wheel assembly on a motor vehicle and driving the vehicle for a distance sufficient to allow the balancing composition to balance the wheel assembly, or mounting the wheel assembly in a device that allows the wheel assembly to be rotated under load conditions similar to those experienced during actual road driving and at a speed where resonance occurs in the wheel assembly, and rotating the wheel for a time sufficient to allow the balancing composition to reduce vibrations to a stable minimum.

41. (Currently amended) A tyre balancing composition kit according to claim 31 wherein the solid bodies are as defined in claim 17 have an average smallest dimension of a range of 1-4 mm.

Please add new claim 42 as follows:

42. (New) A tyre balancing composition according to claim 14, wherein the average smallest dimension of the solid bodies is in the range of 1-4 mm.